

# 4  
DBW-18  
10-24-01

## PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application. No:	09/638,271
Filed:	August 14, 2000
Inventor(s):	Dinesh Nair, Siming Lin, Darren Schmidt, and Nicolas Vazquez
Title:	System and Method for Locating Color and Pattern Match Regions in a Target Image
Examiner:	Unknown
Group/Art Unit:	2622

Atty. Dkt. No: 5150-43600

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231, on the date indicated below.

11/22/2000  
Date

Jeffrey C. Hood

Signature

## **SUBMISSION OF FORMAL DRAWINGS**

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2600

Sir:

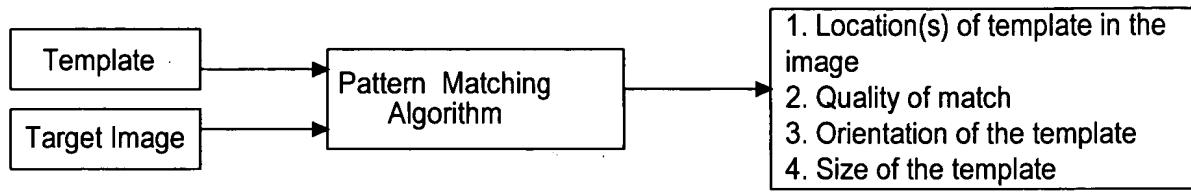
Applicant hereby submits the formal drawings for the above-referenced application and requests that these drawings (Figures 1-27 on 26 sheets) be accepted for filing.

Respectfully submitted,

Op. C. M.

Jeffrey C. Hood  
Reg. No. 35,198  
ATTORNEY FOR APPLICANTS

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(512) 476-1400



PRIOR ART PATTERN MATCHING

FIG. 1

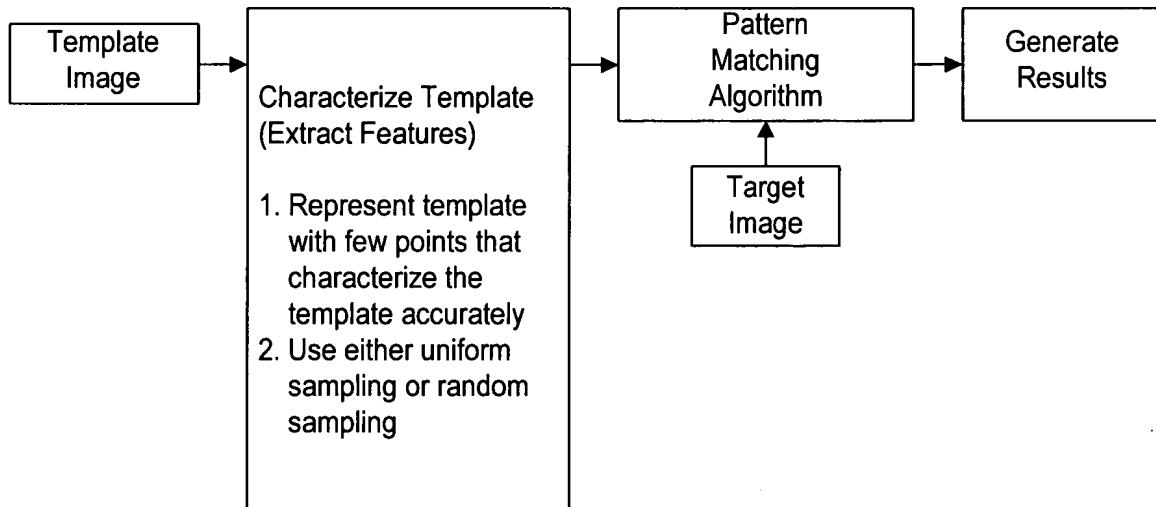
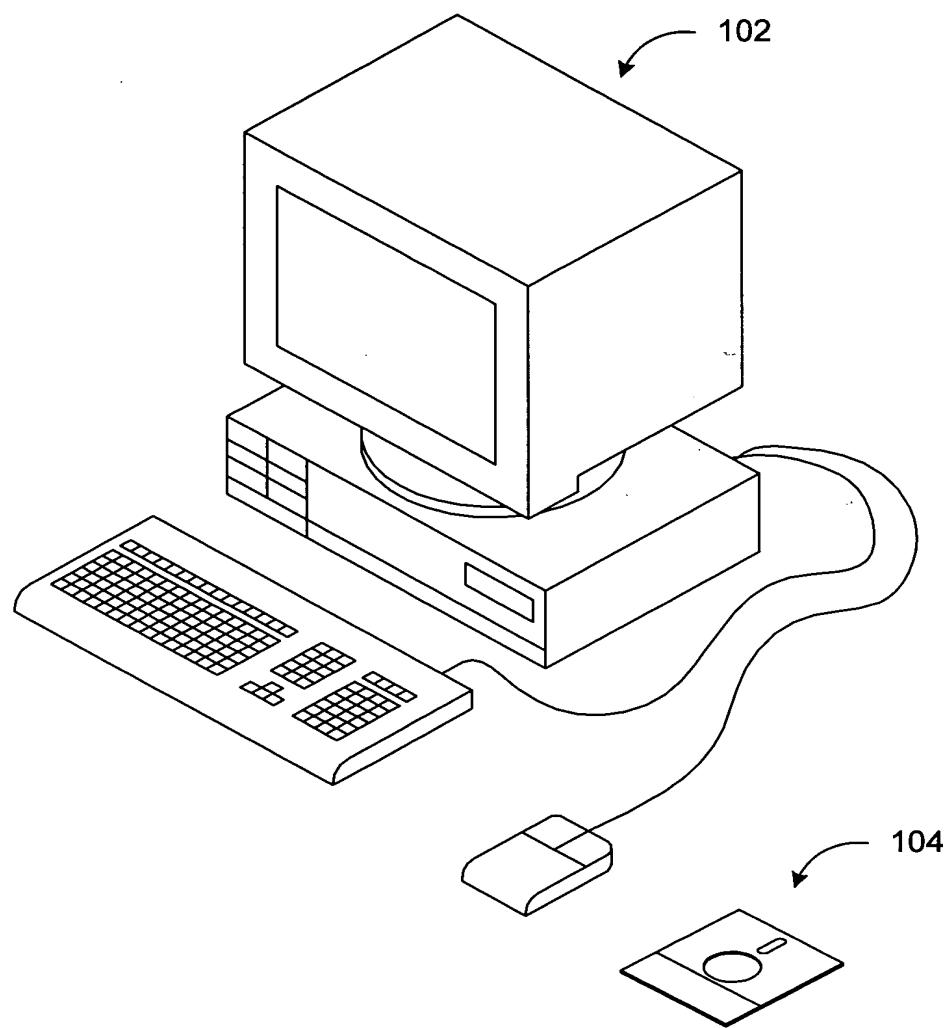
PRIOR ART PATTERN MATCHING WITH  
CHARACTERIZATION OF THE TEMPLATE IMAGE

FIG. 2



**FIG. 3**

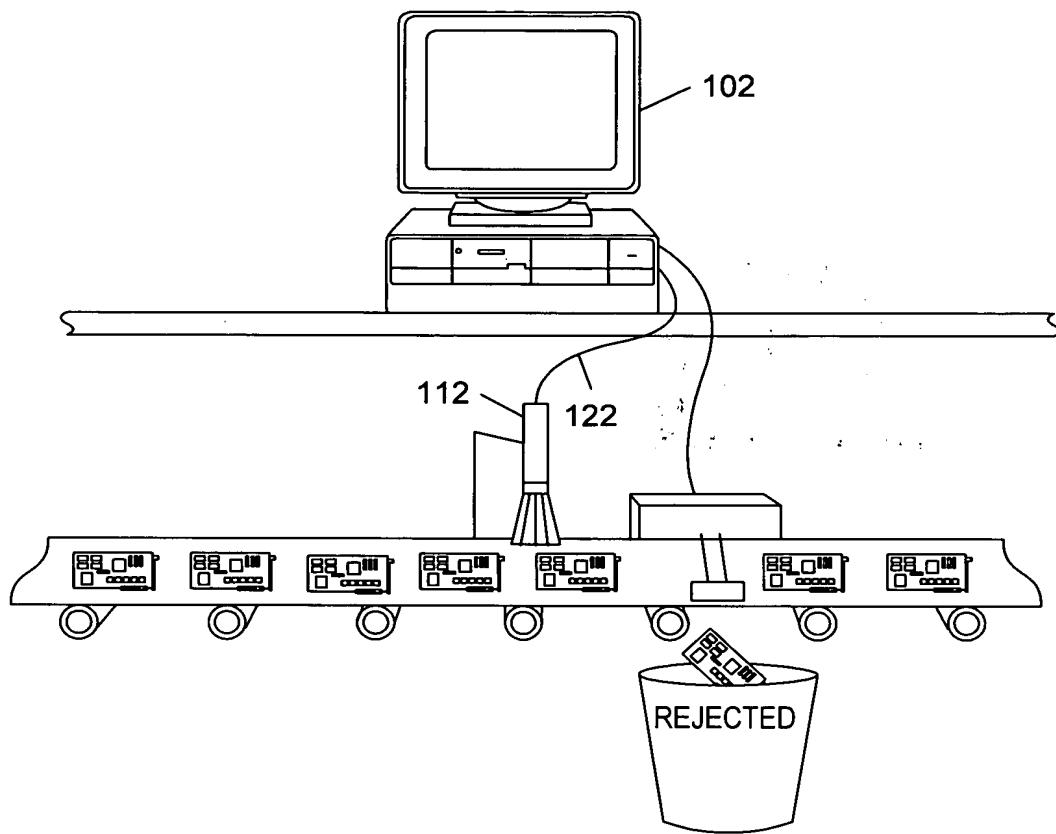


FIG. 4

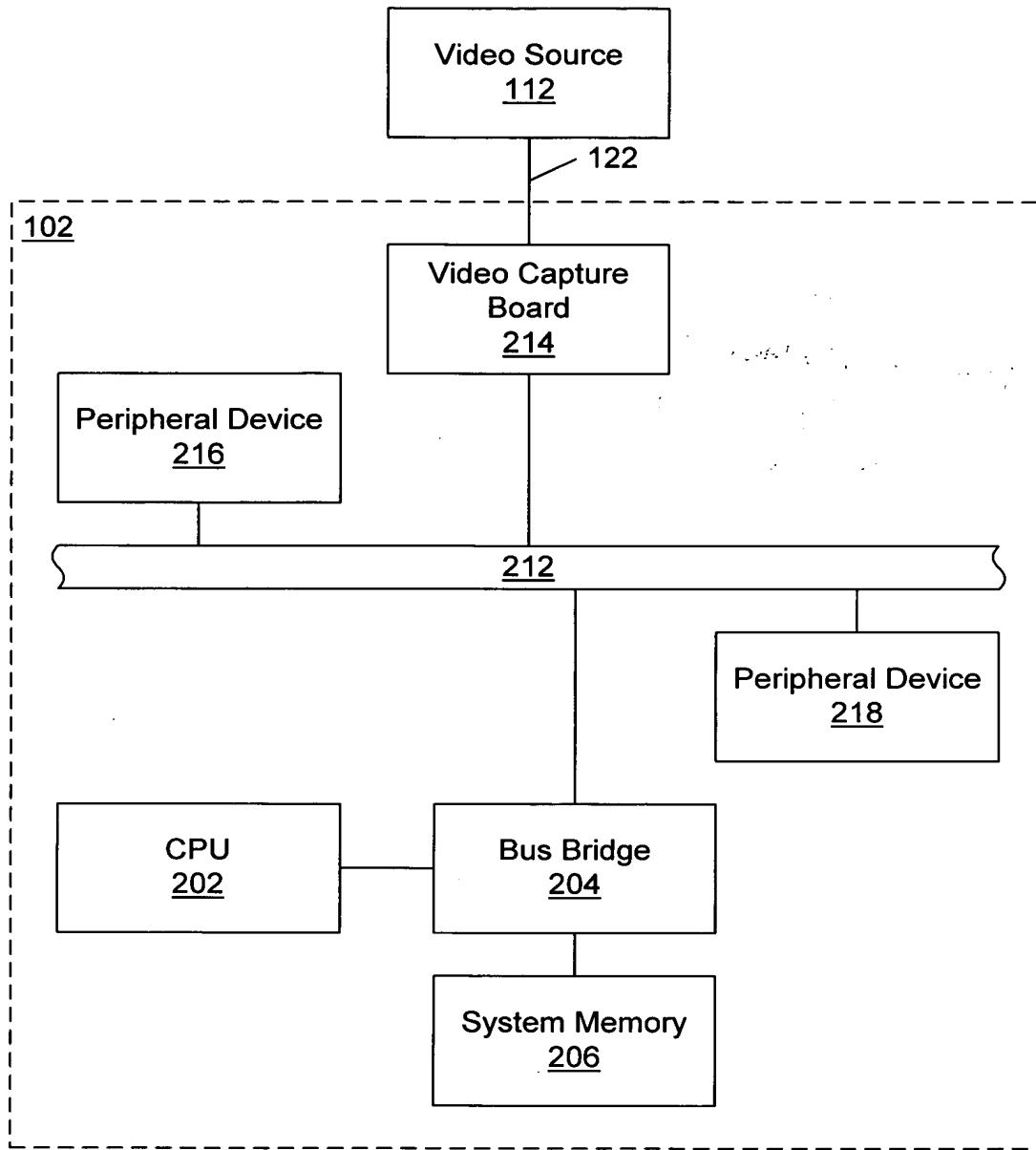


FIG. 5

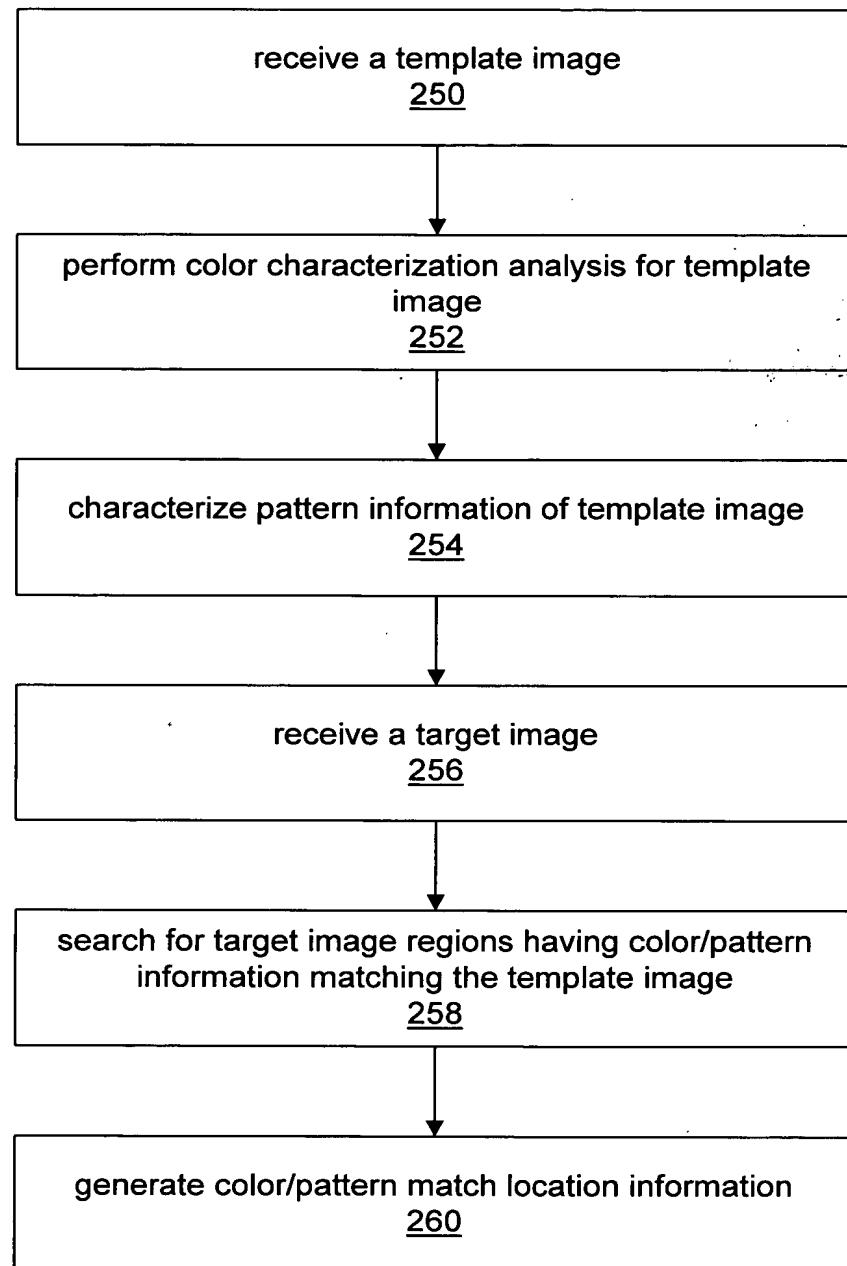


FIG. 6

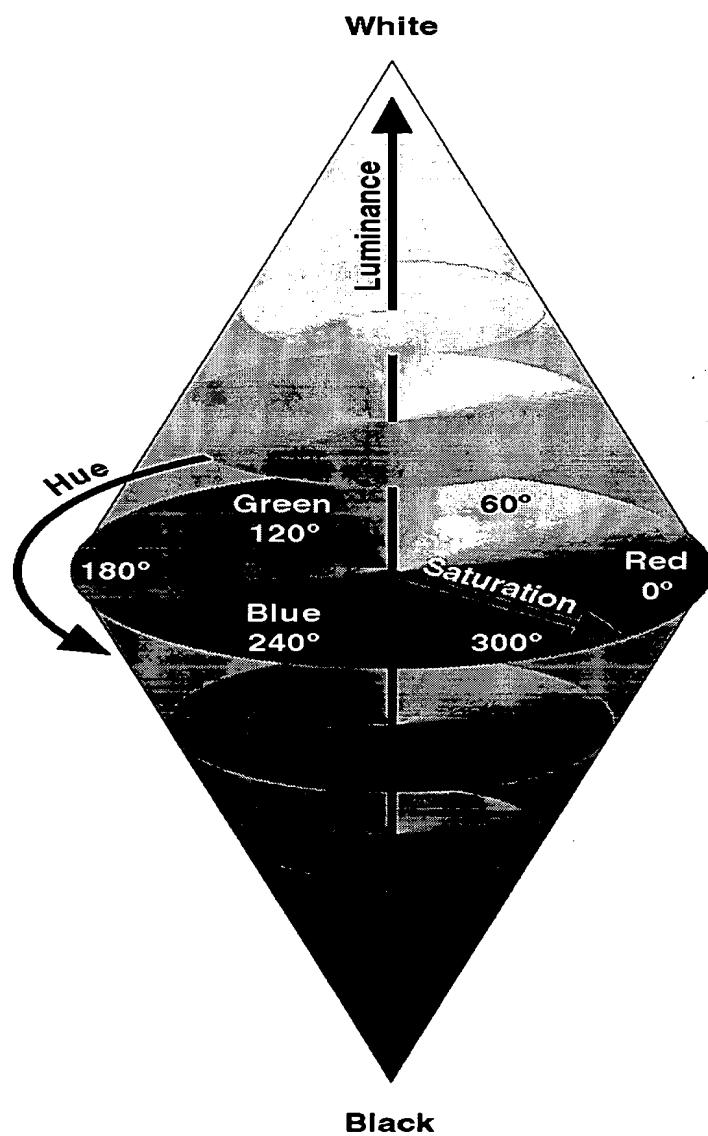


FIG. 7

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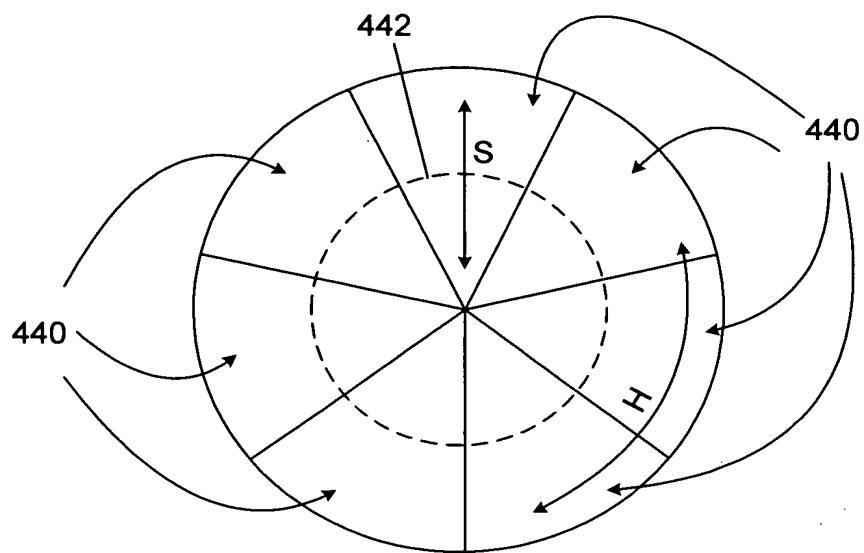


FIG. 8A

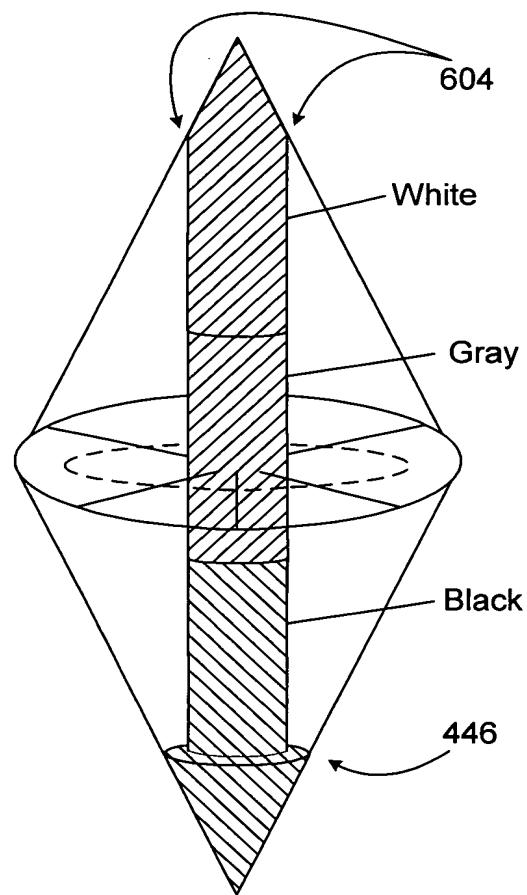


FIG. 8B

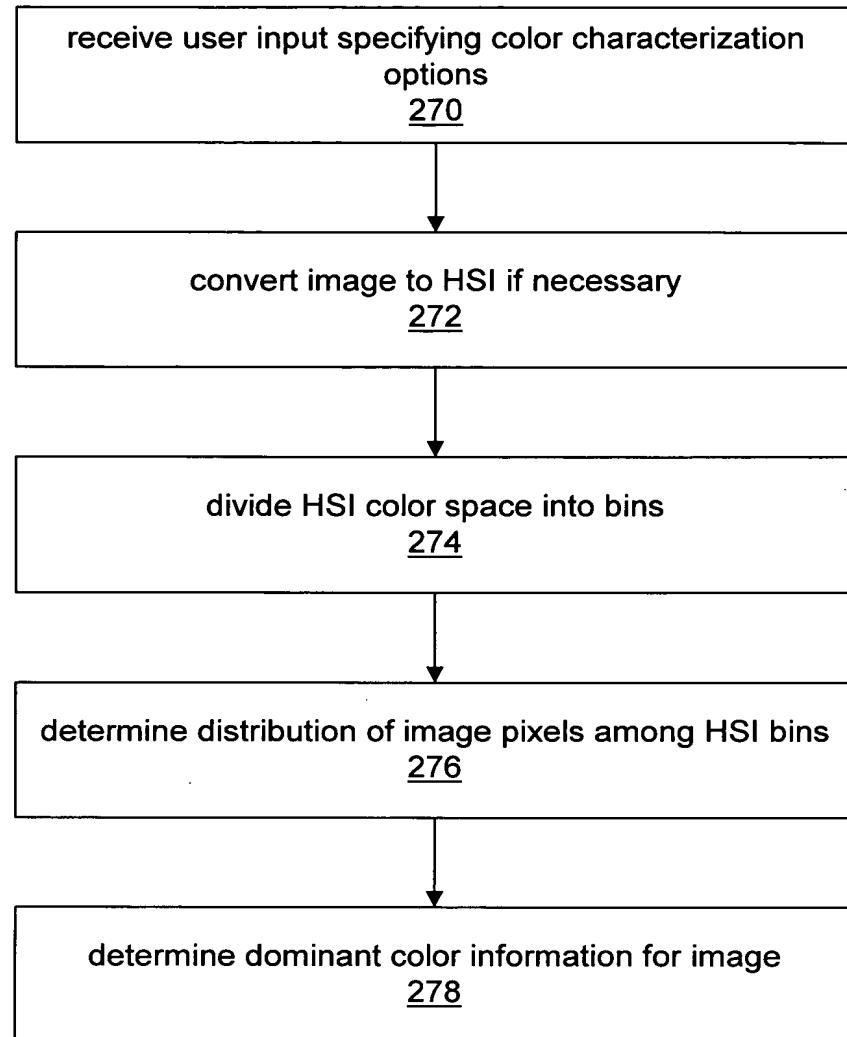


FIG. 9

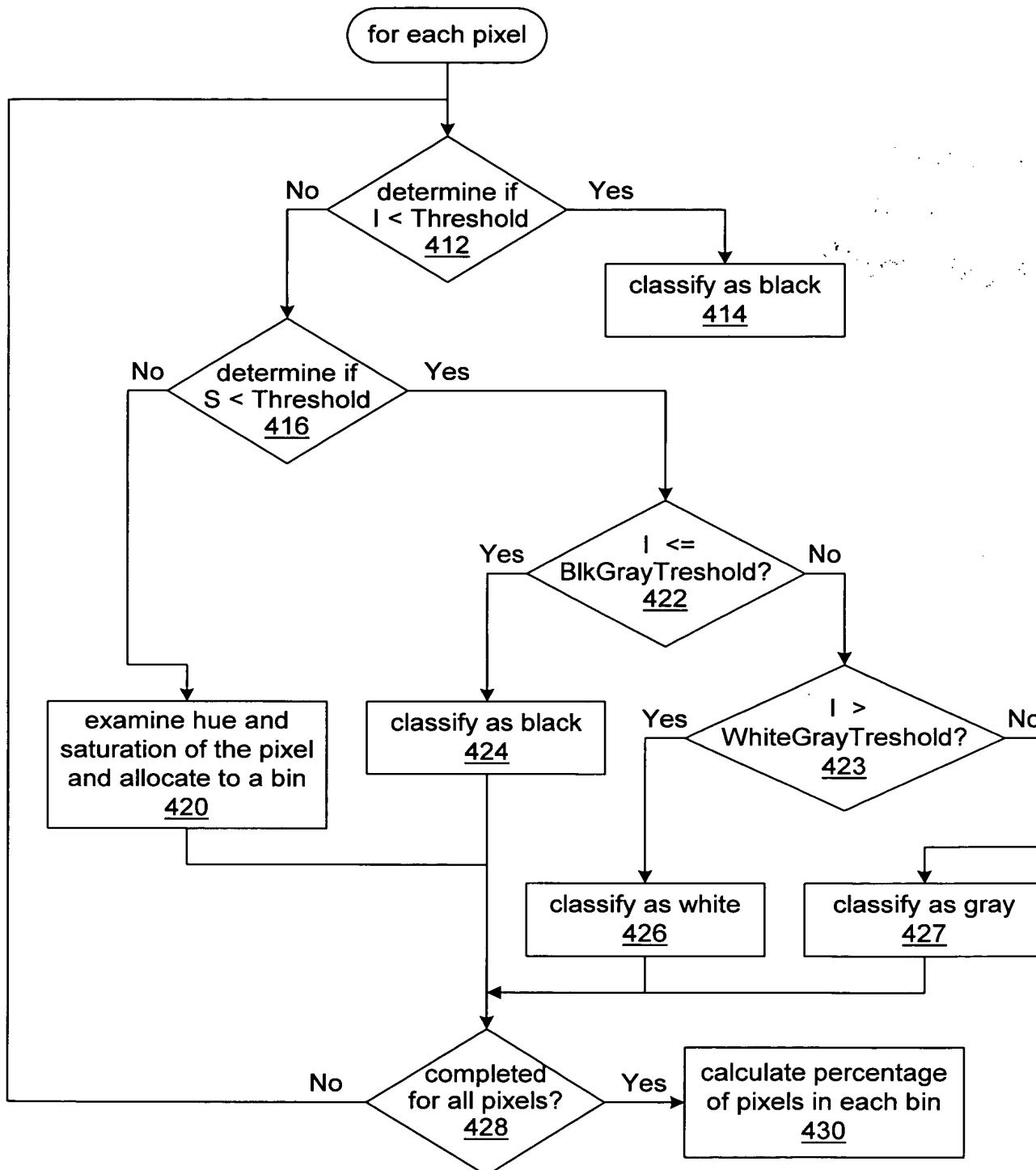


FIG. 10

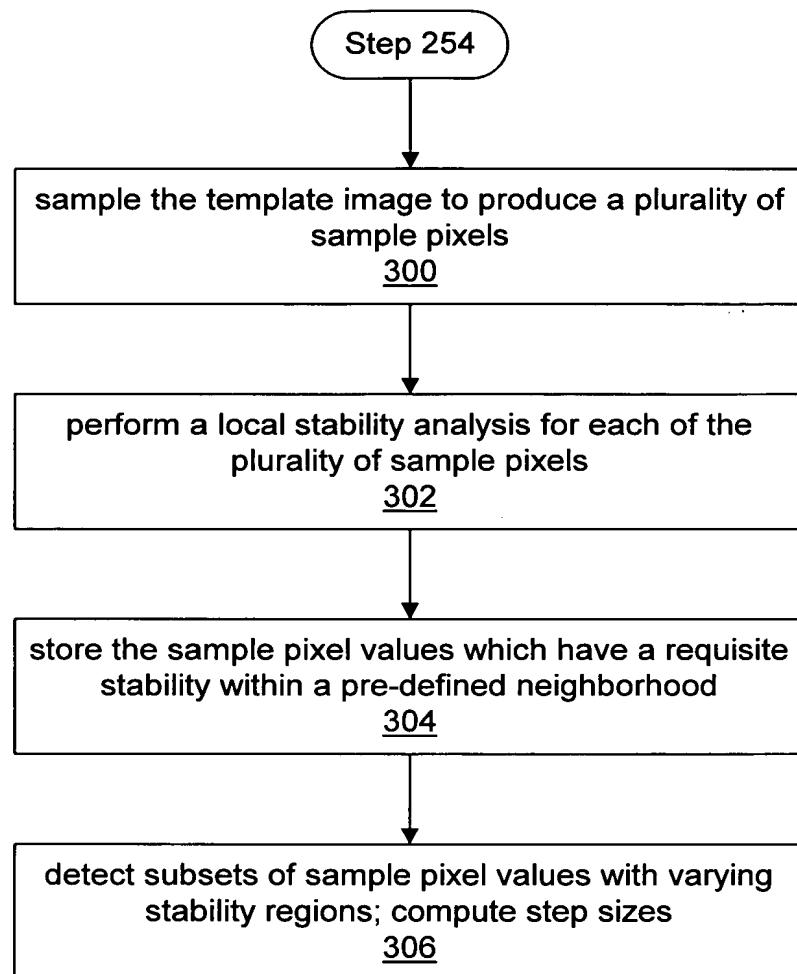


FIG. 11

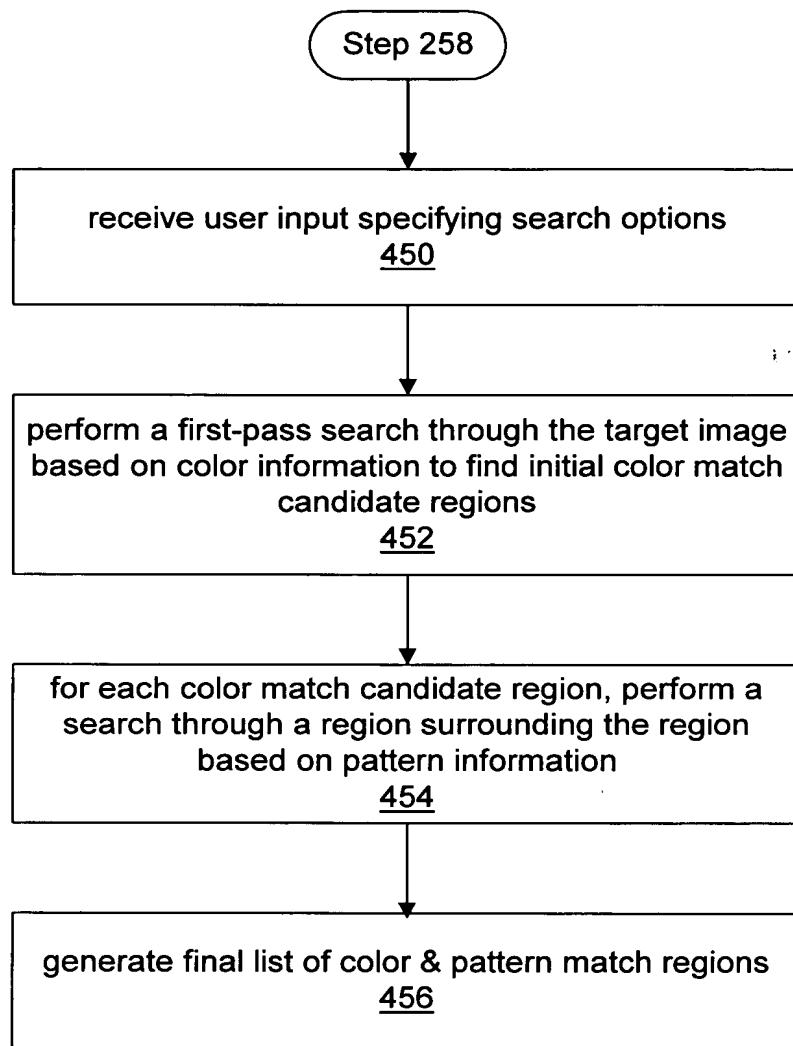


FIG. 12

## 9 x 9 Pixel Step Size

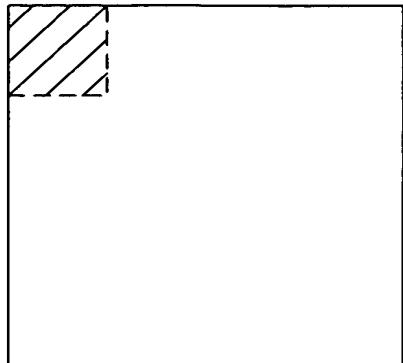


FIG. 13a

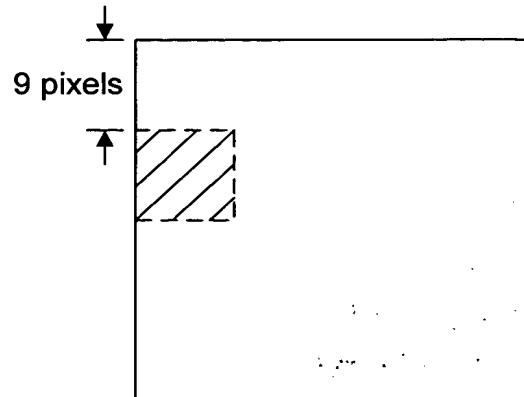


FIG. 13b

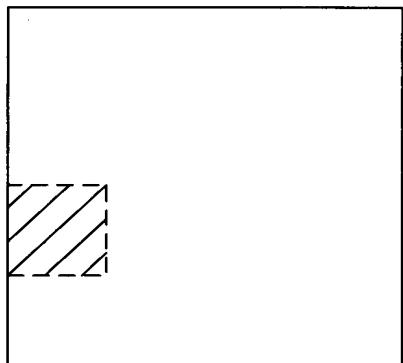


FIG. 13c

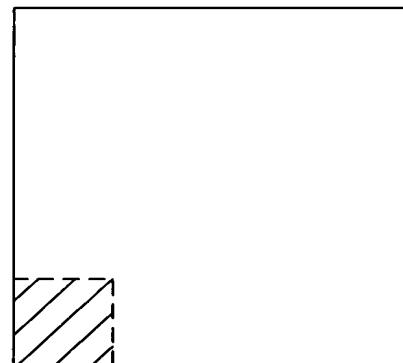


FIG. 13d

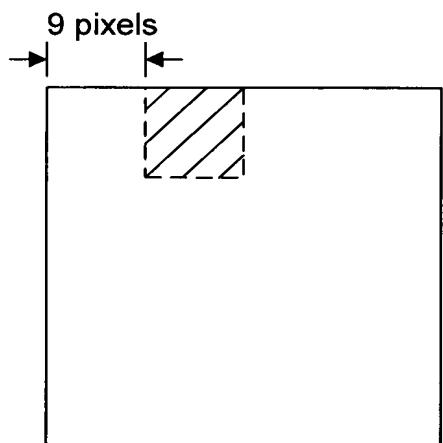


FIG. 13e

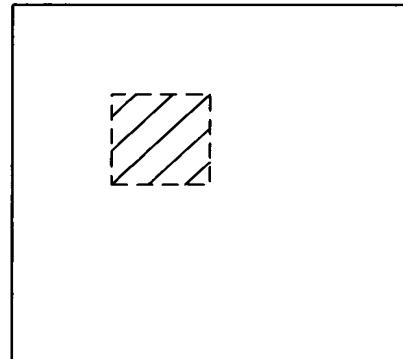


FIG. 13f

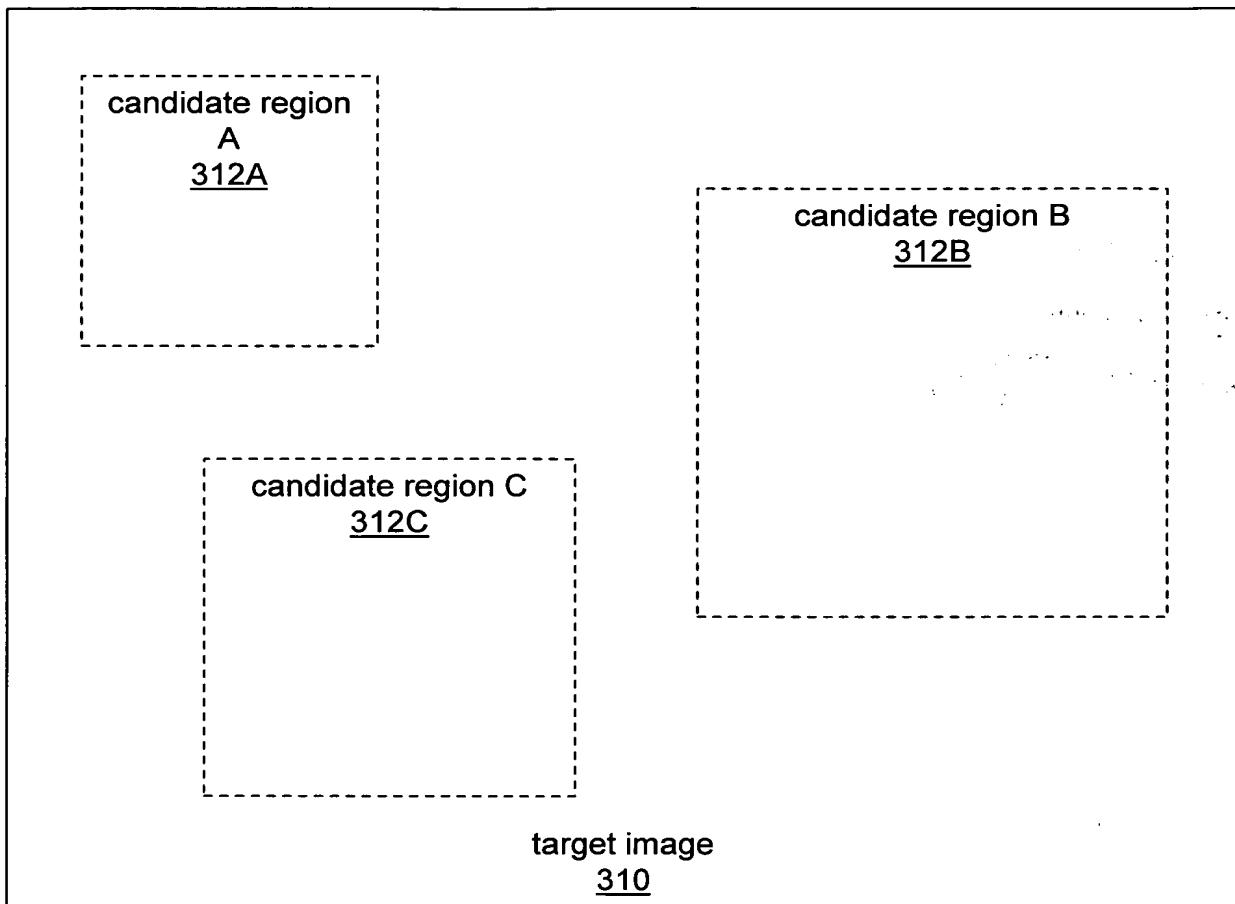


FIG. 14

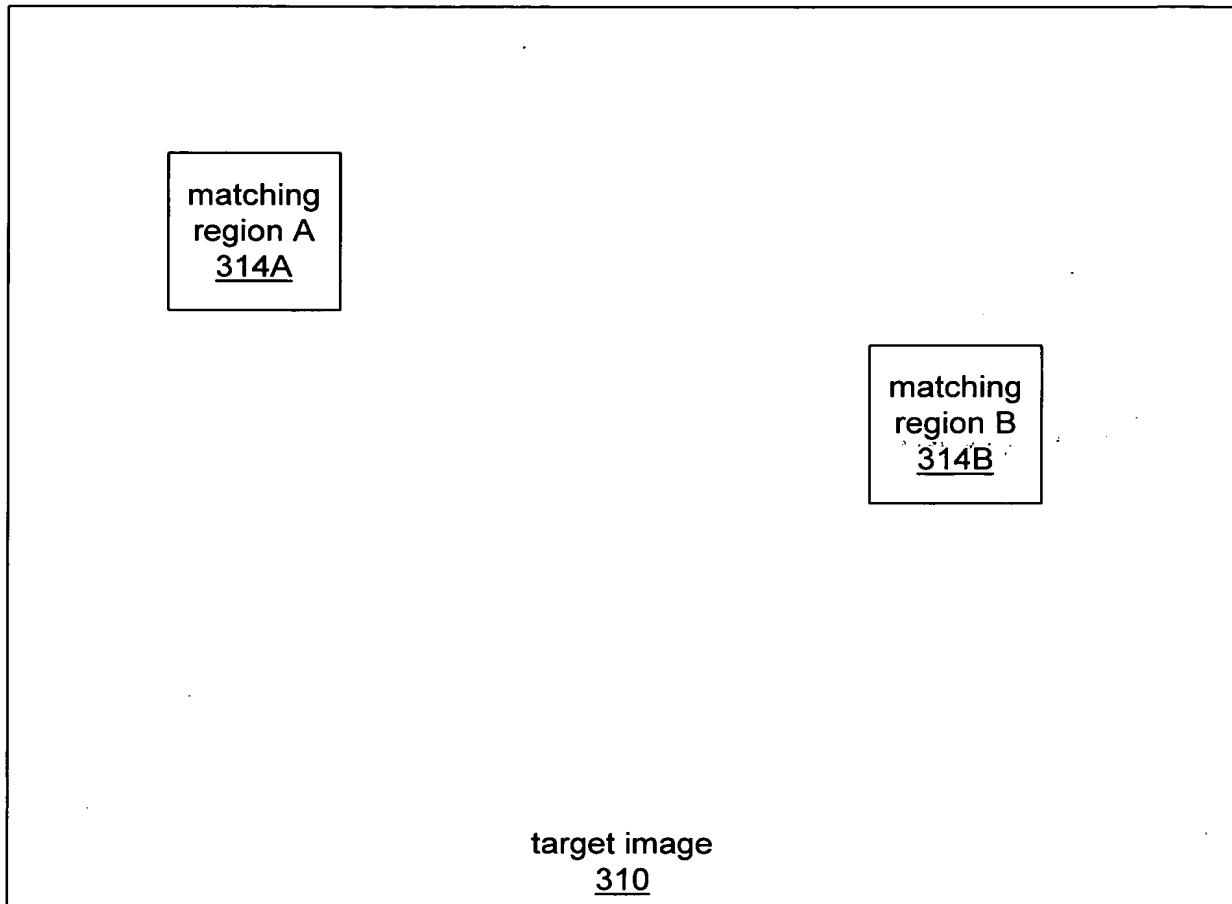


FIG. 15

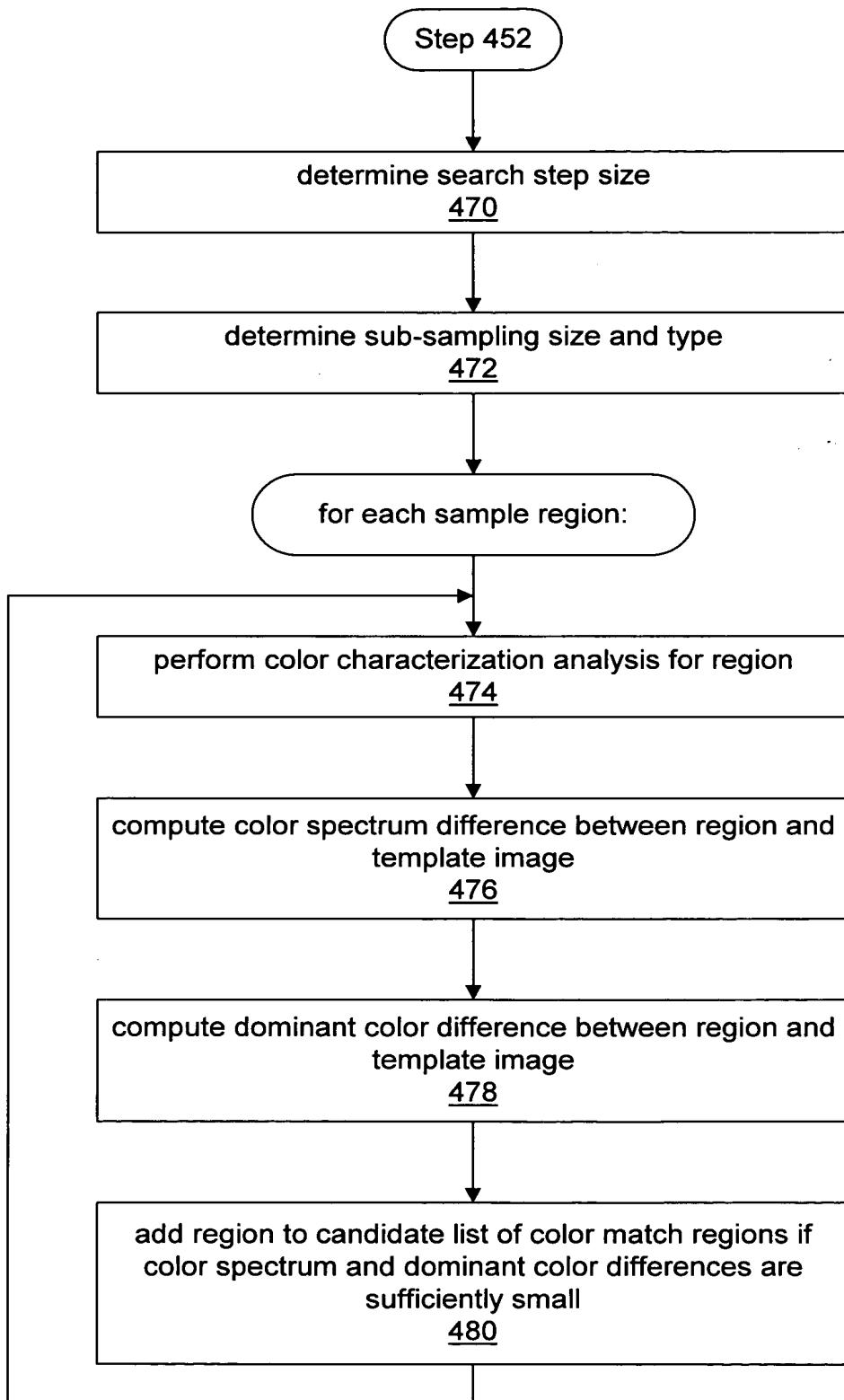


FIG. 16

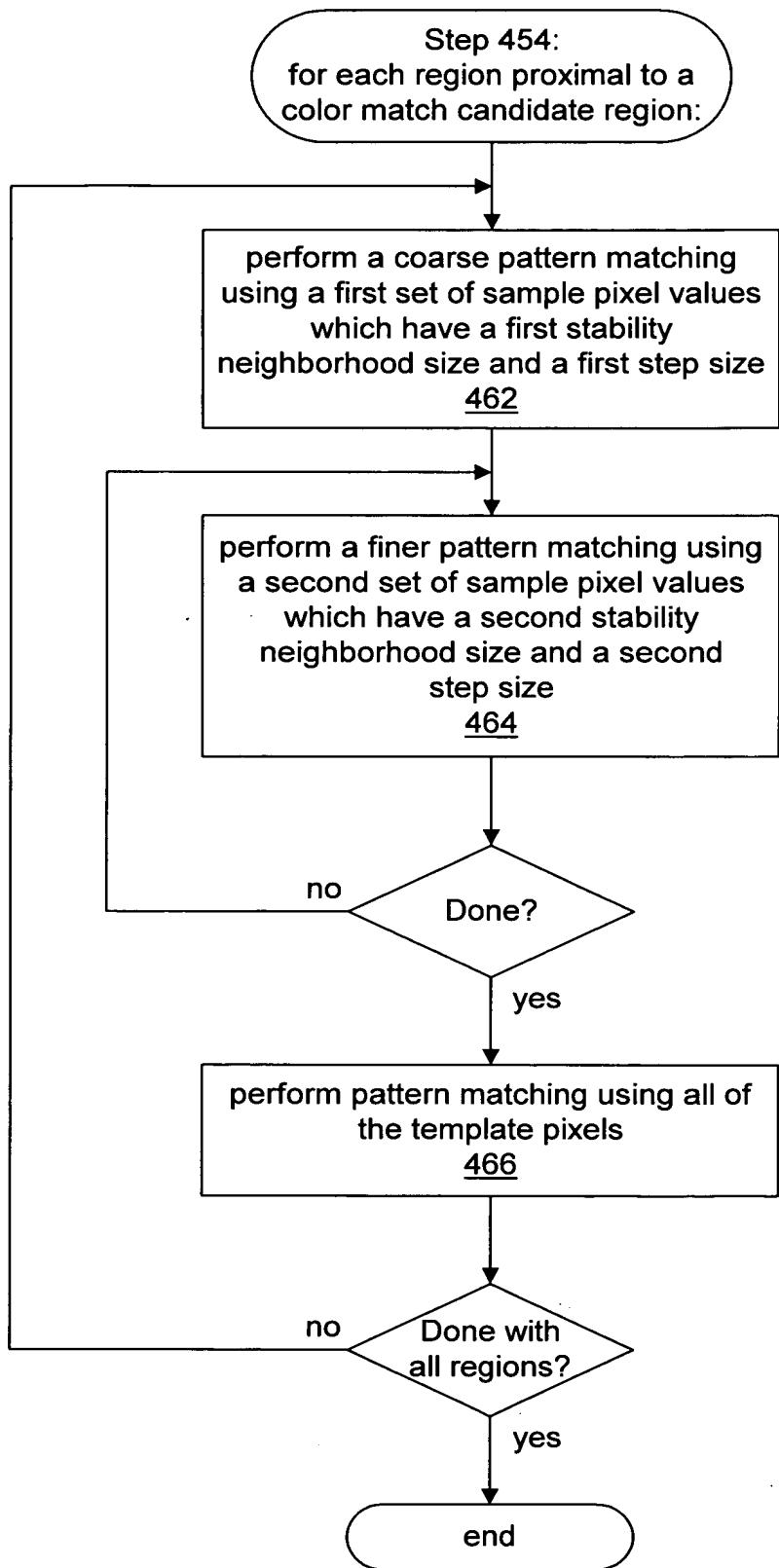


FIG. 17

5 x 5 Pixel Step Size

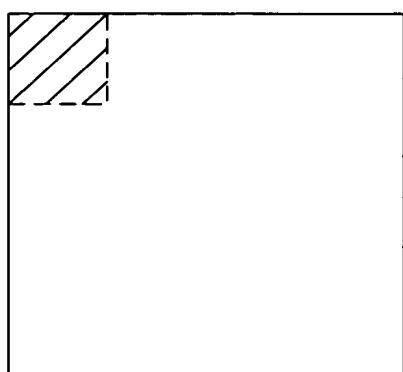


FIG. 18a

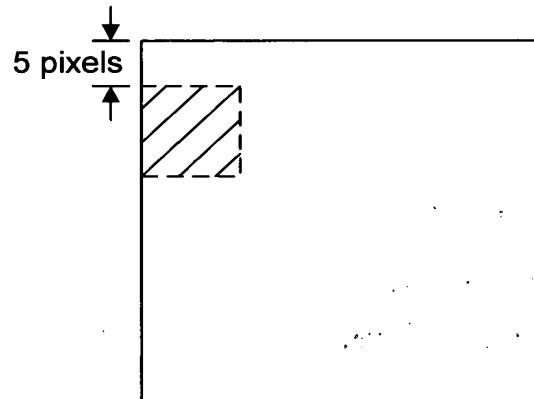


FIG. 18b

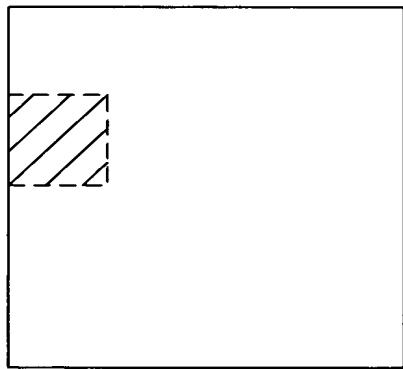


FIG. 18c

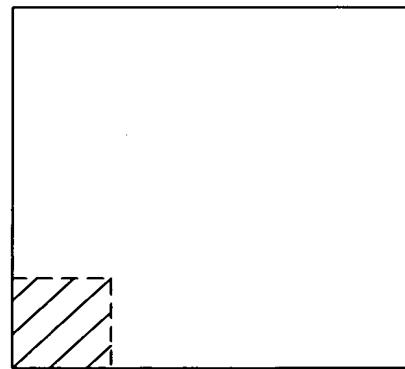


FIG. 18d

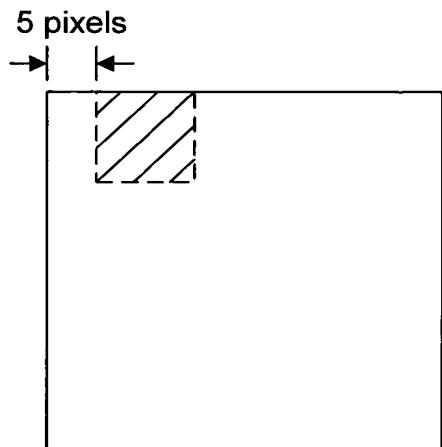


FIG. 18e

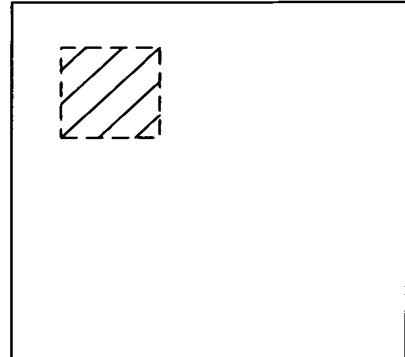


FIG. 18f

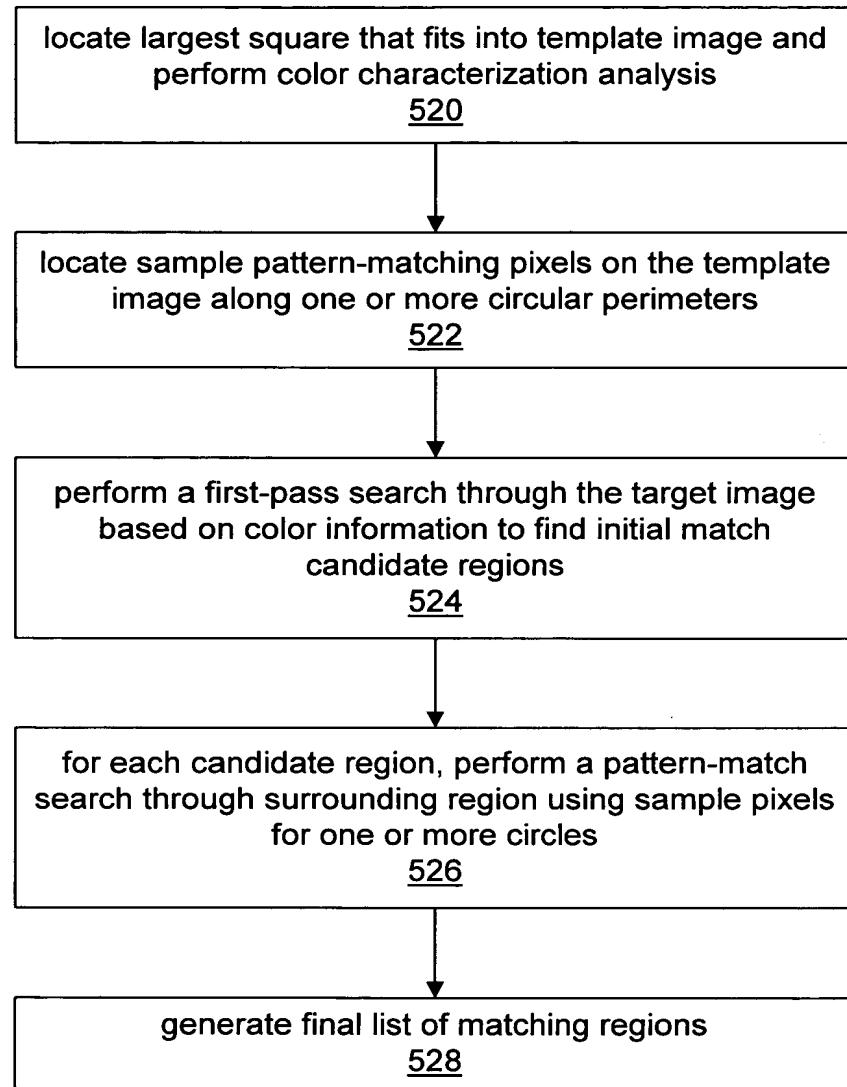


FIG. 19

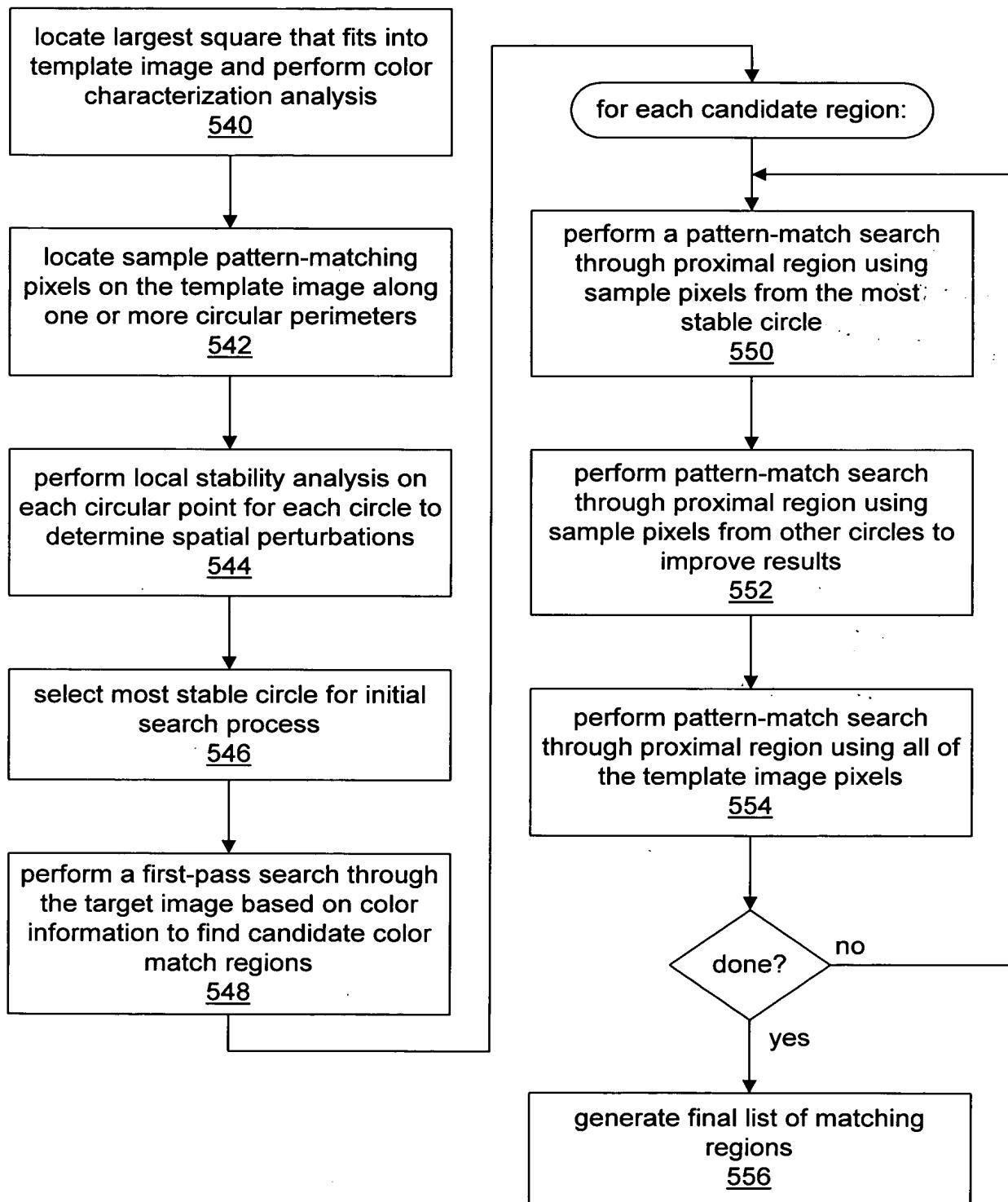
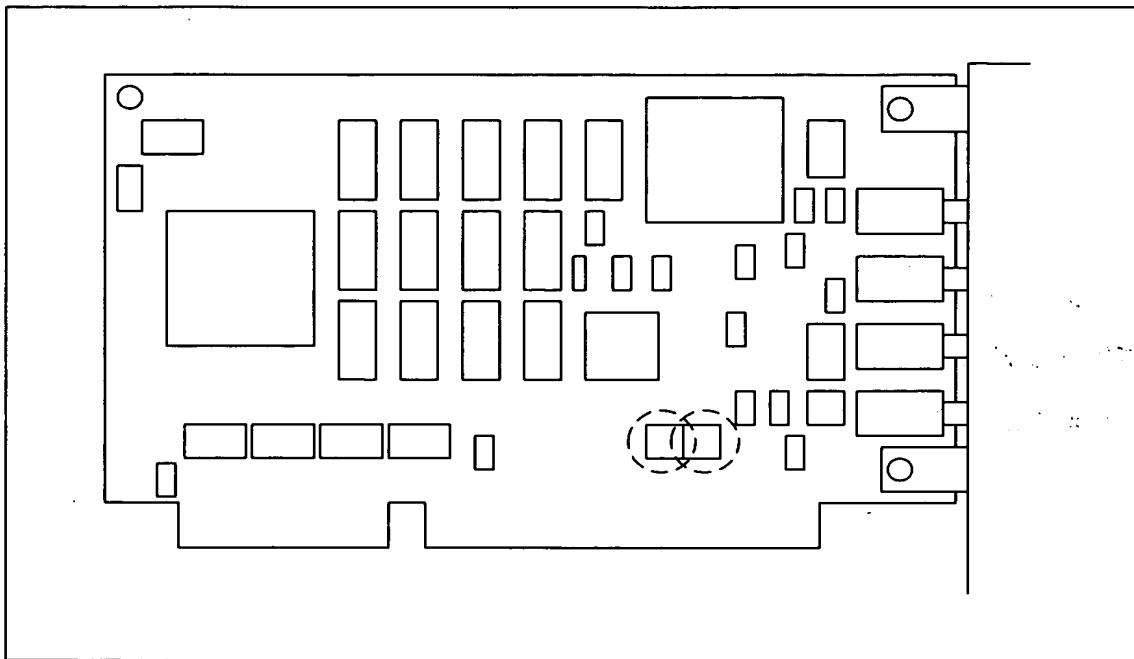
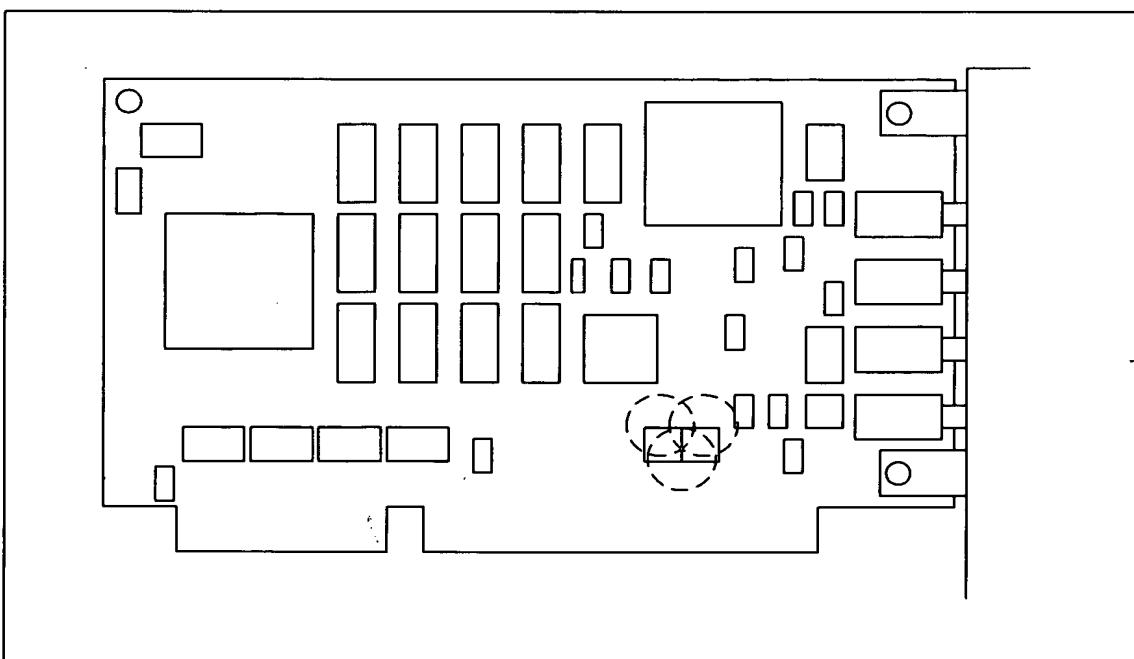


FIG. 20



**FIG. 21A**



**FIG. 21B**

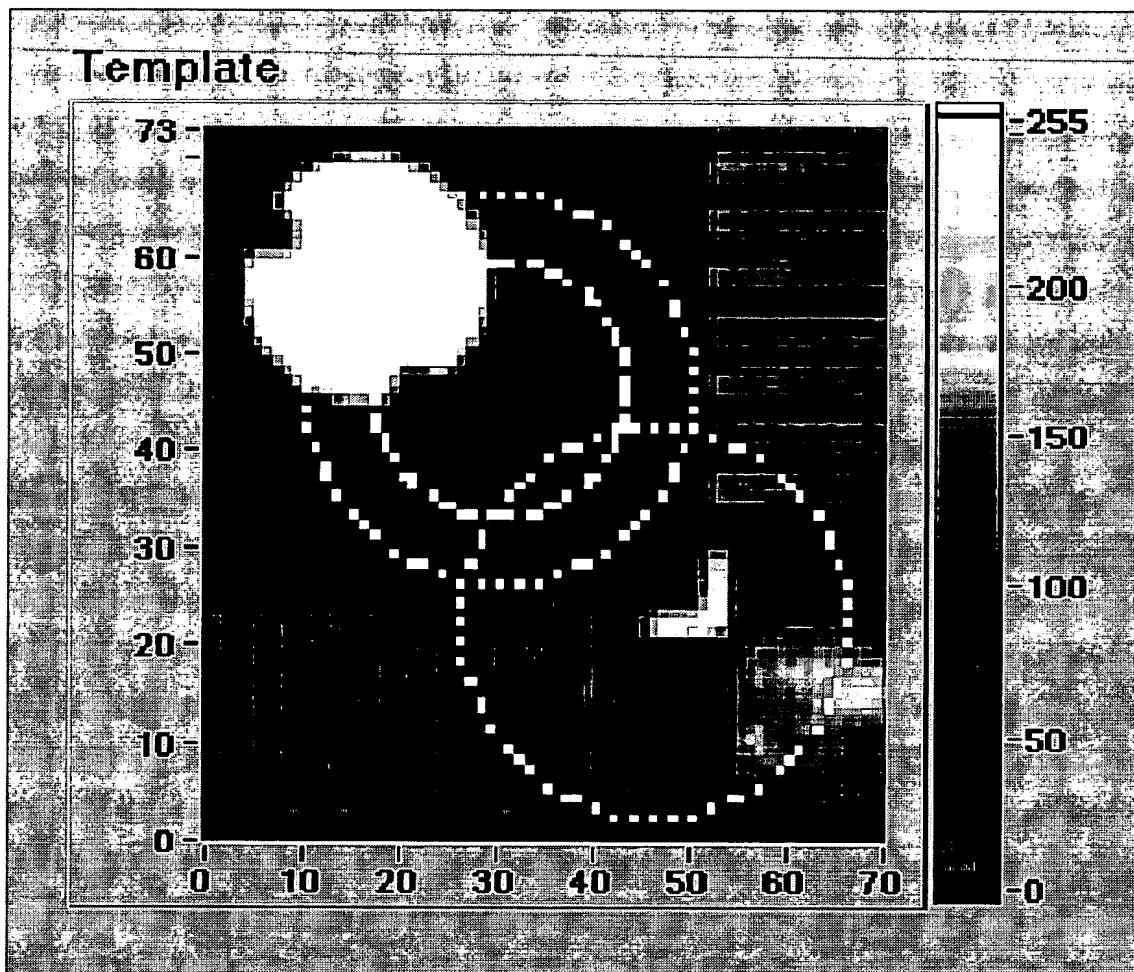


FIG. 22

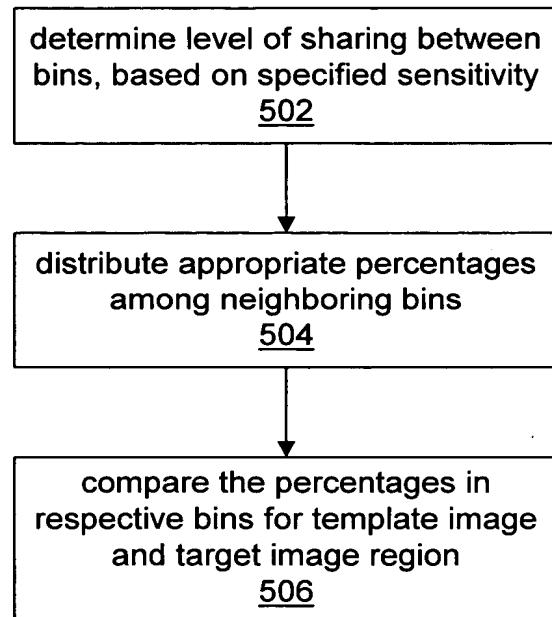


FIG. 23

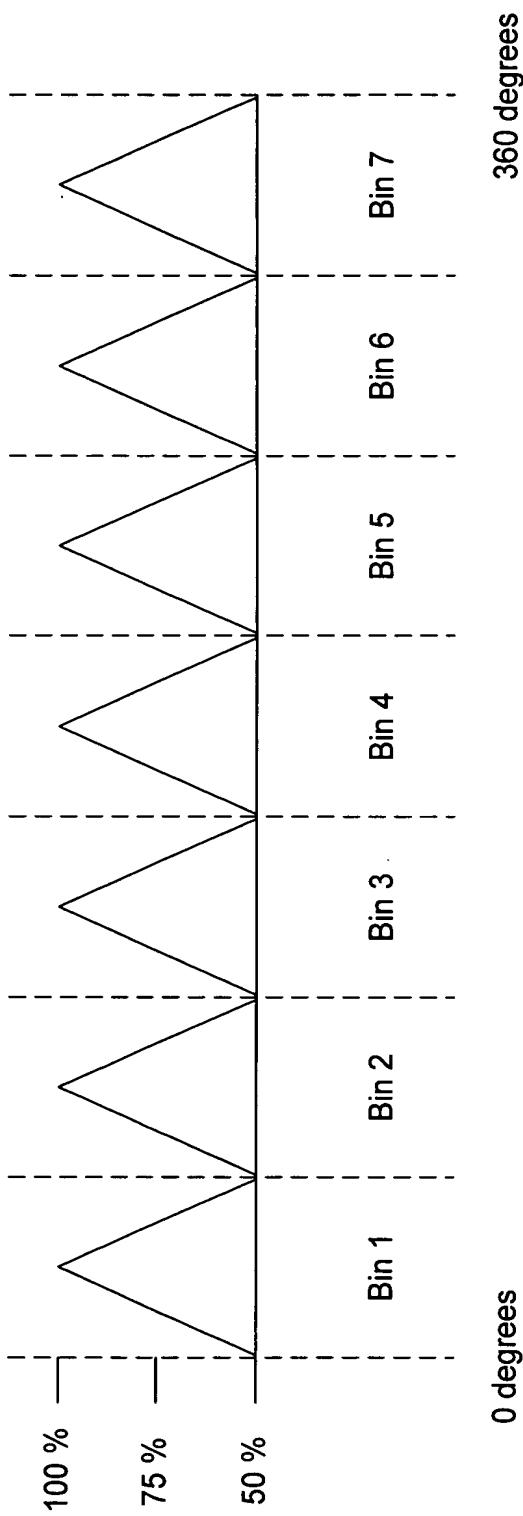


FIG. 24

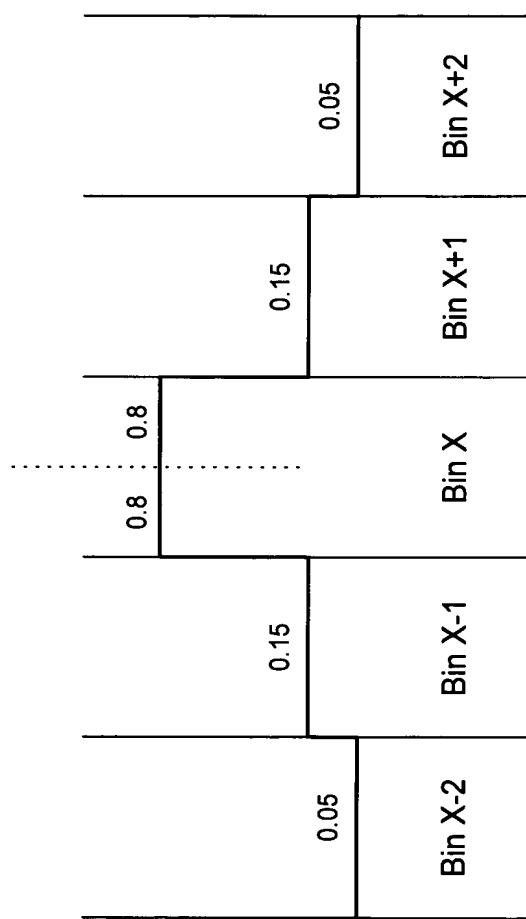


FIG. 25

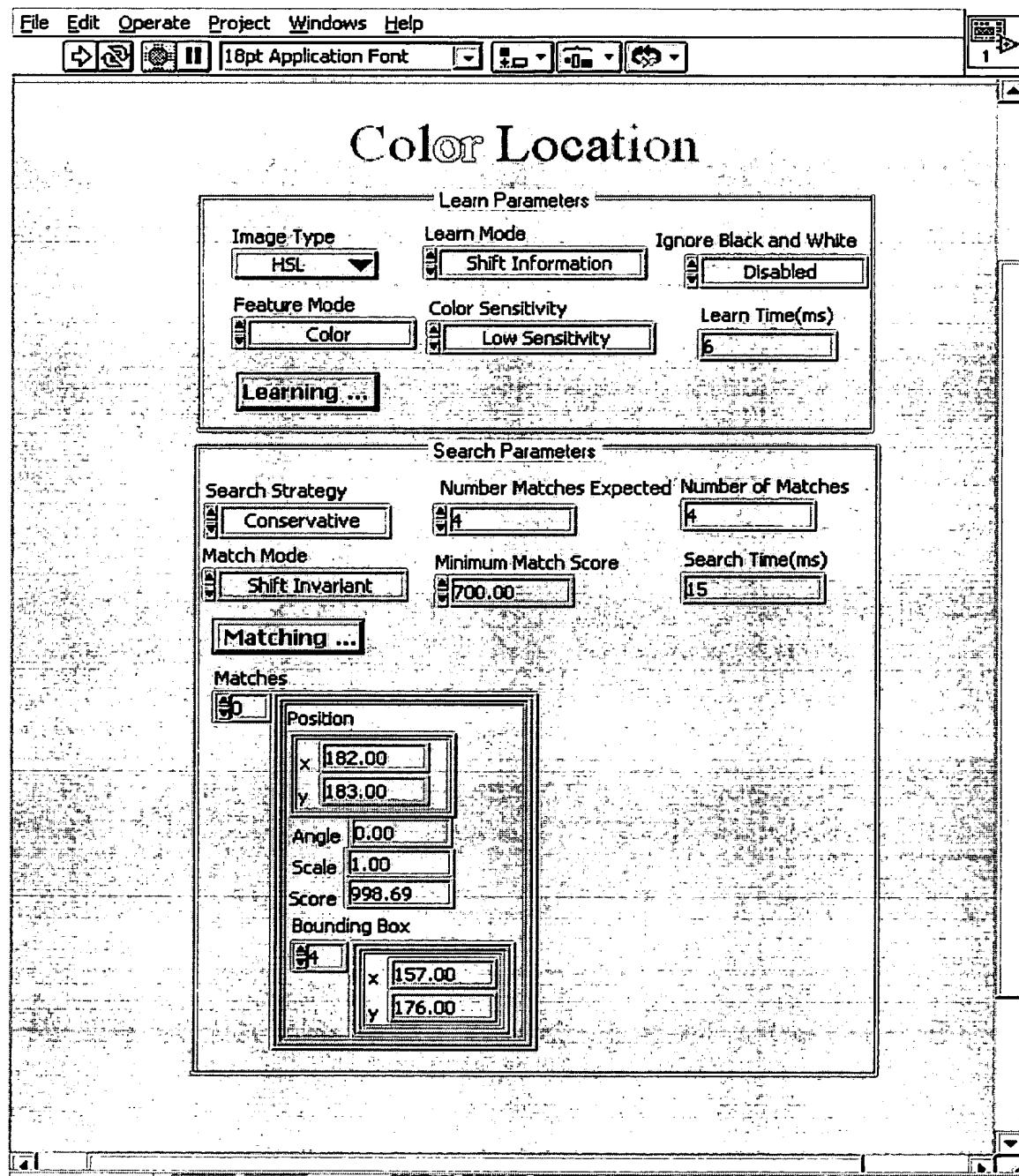


FIG. 26

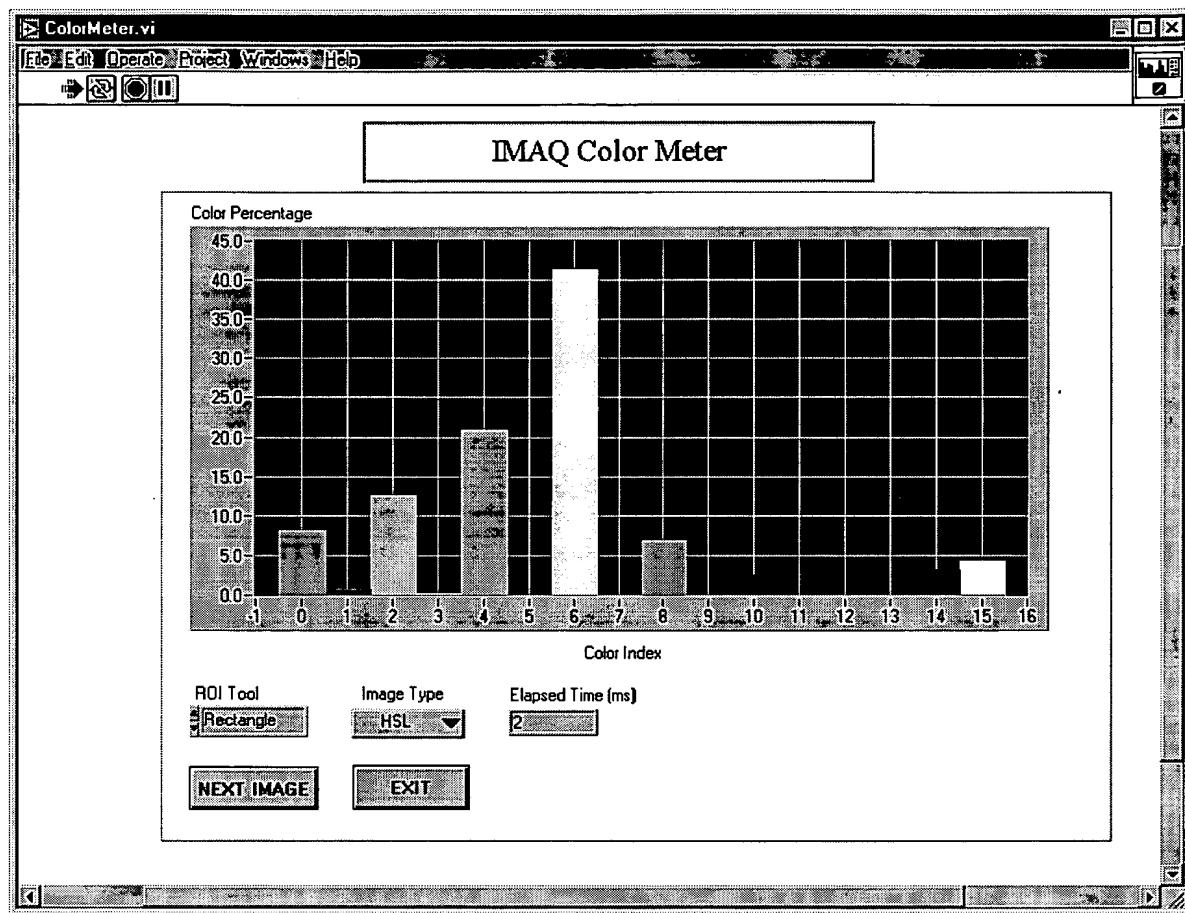


FIG. 27